

ABSTRACT

TITLE OF THE INVENTION:

FILM-FORMING METHOD AND FILM-FORMED ARTICLE

5 Provided is a method that can conveniently and
effectively reduce rain noise on a metal roof formed in an
existing architectural structure and also suppress direct
sunlight-induced temperature increase. The method
includes: forming an intermediate coating layer on the
10 outdoor side surface of a metal roof of an existing
architectural structure, wherein the intermediate coating
layer includes a dispersion of 30 to 300 parts by weight of
inorganic particles in 100 parts by weight of a resin
matrix derived from a urethane prepolymer and has a
15 thickness of 50 to 1,000 μm ; and forming a top coating
layer on the intermediate coating layer, wherein the top
coating layer contains an infrared reflecting powder and/or
an infrared transmitting powder, and water has a contact
angle of 70° or less on the coating formed.

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No suitable figure